

**RULES  
OF  
TENNESSEE DEPARTMENT OF AGRICULTURE  
PLANT INDUSTRIES**

**CHAPTER 0080-6-5  
CERTIFICATION OF IRISH POTATOES**

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**0080-6-5-.01 APPLICANTS.** Any person, firm or corporation may apply for seed certification provided the grower plants certified seed or foundation seed approved by the Division of Insect and Plant Disease Control, Tennessee Department of Agriculture, and agrees to abide by all rules and regulations governing the production of certified seed. Application for certification service should be made on or before March 1st to the Division of Insect and Plant Disease Control, State Capitol, Nashville's Tennessee.

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 5, 1974.

**0080-6-5-.02 COST OF TAGS AND SEALS.** The grower will bear the cost of the tags and seals, usually amounting to 1 1/2 to 2 cents per 100 lb. bag. No other fees are required.

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 5, 1974.

**0080-6-5-.03 FIELDS.** The potatoes must be planted in a field in which potatoes have not been grown for at least three years. The field must be not less than 200 feet distant from any other non-certified potato field of the current year. If two or more varieties are grown for certification they must be separated by at least 10 feet.

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 5, 1974.

**0080-6-5-.04 TREATMENT OF SEED POTATOES.** The seed potatoes must be properly treated at the time of planting. This treatment should be done under the supervision of one

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 5, 1974.

**0080-6-5-.05 SPRAYING.** The potatoes must be sprayed or dusted in order to keep the field as free as possible from insects and diseases. Spraying should be started when potatoes are about 6 inches high and continued weekly throughout the growing season.

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 5, 1974.

**0080-6-5-.06 CULTURAL CONDITIONS.** Fields showing poor cultural conditions, including lack of weed control, may be disqualified.

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 5, 1974.

(Rule 0080-6-5-.06, continued)

**0080-6-5-.07 DISEASED PLANTS.** All diseased plants, including the tubers, must be rogued as soon as they are observed. The plants rogued out, including tubers, must be removed from the field.

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 15, 1974.

**0080-6-5-.08 STORAGE.** Potatoes must be stored in dry storage, either in regular potato storage house or basement, properly ventilated. Conditions should be such that freezing or over-heating will be prevented. Excessive sprouting in storage may disqualify for certification. All potatoes over-stored in the ground will be disqualified.

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 1974.

**0080-6-5-.09 TWO INSPECTIONS.** There will be two field inspections at a time most favorable for identification of diseases and insects, distributors of diseases. In addition, there will be a bin inspection at harvest time and another just prior to grading and sacking.

*Authority:* T.C.A. §43-518. *Administrative History:* Original Rule certified June 5, 1974.

**0080-6-5-.10 DISEASE TOLERANCES.**

Disease tolerances:

	Field Inspections	
	1st	2nd
Mosaic	2%	1%
Leaf roll	2%	1%
Spindle tuber	2%	1%
Notal virus	4%	3%
Fusarium wilt	2%	1%
Black log	2%	1%
Bacterial ring rot	0	0
Varietal mixture	1%	0

Early Blight)

**Late Blight)** If present to such an extent that identification of virus diseases cannot be made, the field will be disqualified.

	Storage Inspections	
	Bin	Prior to grading
Rhizoctonia	5%	5%
Scab	5%	5%
Spindle tuber	2%	1%
Bacterial ring rot	0	0
Storage rots	3%	2%
Nematode	0	0
Late blight rot	2%	1%
Varietal mixture	1%	0

(Rule 0080-6-5-.10, continued)

**Authority:** T.C.A. §43-518. **Administrative History:** Original Rule certified June 5, 1974.

**0080-6-5-.11 SIZE.**

**Size - U. S. Standard No. I or 2 -**

U. S. No. I - Minimum size 1 7/8 inches in diameter.  
Maximum size 10 oz. in weight.

U. S. No. 2 - Minimum size 1 1/2 inches in diameter.  
Maximum size 2 inches in diameter.

**Authority:** T.C.A. §43-518. **Administrative History:** Original Rule certified June 5, 1974.

**0080-6-5-.12 SAMPLES OF SEEDS.** Samples of all seed which are officially sealed and tagged may be required and planted in a place designated by the inspector to enable him to check on the quality of the grower's seed stock. This will also serve to protect the grower against possible complaints.

**Authority:** T.C.A. §43-518. **Administrative History:** Original Rule certified June 5, 1974.

**0080-6-5-.13 SACKS AND TAGGING.** To be eligible for official seal and tag, potatoes shall be sold in NEW approved sacks (such as are customarily used for commercial shipments of potatoes) containing one hundred (100) pounds net weight. Each sack shall be tagged and sealed with the official tags issued for "Tennessee State Certified Seed Potatoes" for the current year.

**Authority:** T.C.A. §43-518. **Administrative History:** Original Rule certified June 5, 1974.

**0080-6-5-.14 STANDARDS FOR GROWERS.**

- (1) Growers fulfilling the above requirements will be qualified for certification, which signifies the following standards: This grade shall consist of one variety of potatoes certified by the Division of Insect and Plant Disease Control, State Department of Agriculture. The tubers must be true to varietal name, mature, well shaped, free from freezing or over-heating injury, and reasonably free from dirt, sunburn, second growth and growth cracks, and deep cuts. Potatoes must conform to tolerances already set forth where rot or evidence of disease or insect injury is present.
- (2) In order to allow for variations incident to proper grading and handling, not more than five (5) per cent by weight of any lot may be below the prescribed size, and, in addition, not more than six (6) per cent by weight, may be below the requirements of the specified grade, but not to exceed one-sixth (1/6) of this six (6) per cent tolerance shall be allowed for potatoes affected by any storage rot.

**Authority:** T.C.A. §43-518. **Administrative History:** Original Rule certified June 5, 1974.